

UNIT : F
 LEASE : HARRIS FEDERAL ✓
 WELL : 8
 S/T/R : 26 158 27E
 COUNTY: CHAVES
 STATE : NEW MEXICO

TYPE TEST: 4 POINT
 : INITIAL
 TEST DATE: 9/ 2/82

NEW MEXICO OIL CONSERVATION COMMISSION
 MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

COMPANY: READ 7 STEVENS
 FIELD: BUFFALO VALLEY POOL: 0
 COMPLETED 8 20 82 TD = 8934.
 CSB SIZE = 4.5000 WT = 11.60
 TBG SIZE = 2.3750 WT = 4.70
 TYPE COMPLETION: SINGLE
 PRODUCING THROUGH: TUBING
 RESERVOIR TEMP., F = 142. @ 8644. FT.

CONNECTION: AIR
 RESERVOIR: MORROW
 PBD = 7622. ELEV = 3518.
 SET AT 8934. PERF: 8616.- 8672.
 SET AT 8535. PERF: 0.- 0.
 PACKER SET AT: 8537.
 BARO.PRESS = 13.20 PSIA
 MEAN GROUND TEMP., F = 60.

L	H	G	Z CO2	Z N2	Z H2S	PROVER	M-RUN	TAPS
8644.	8644.	0.662	0.41	0.66	0.	0.	4.0	FLANGE

LINE	ORI.	FLOW	HW	FLOW	TBG.	TBG.	BHP	BH	FLOW
SIZE	SIZE	PSIG	IN.	TEMP	PSIG	TEMP	PSIG	TEMP	HRS.
4.03 X 1.000		505.	42.0	80.	0.	0.	3255.	142.	72.0
4.03 X 2.000		510.	18.0	69.	0.	0.	3171.	142.	1.7
4.03 X 2.000		510.	40.0	82.	0.	0.	3097.	142.	1.7
4.03 X 2.000		510.	84.0	72.	0.	0.	3016.	142.	1.0
							2842.	142.	0.7

COEFFICIENT	SQRT.	PRESS.	T-FACTR	G-FACTR	SC-FACTR	FLOW
(24 - HOUR)	(HUPH)	PM	F(T)	F(G)	F(PV)	MCFD
4.75	147.53	518.2	0.9813	1.2287	1.0482	886.
19.81	97.04	523.2	0.9915	1.2287	1.0520	2464.
19.81	144.67	523.2	0.9795	1.2287	1.0480	3615.
19.81	209.64	523.2	0.9887	1.2287	1.0511	5304.

P(R)	TEMP. R	T(R)	Z	
0.77	540.	1.44	0.910	GAS LIQ RATIO, MCF/DBL 82.899
0.78	529.	1.41	0.903	API G OF HYDROCARBONS 62.5
0.78	542.	1.44	0.910	SP G SEPARATOR GAS 0.662 XXXXX
0.78	532.	1.42	0.905	SP G FLOWING FLUID XXXXX 0.693
				CRITICAL PRES., PSIA 670. 669.
				CRITICAL TEMP., R 376. 385.

PW	PW*PW	PC*PC-PW*PW	
2438.	5946.	335.	PC = 2506.2
2379.	5659.	622.	PC*PC = 6281.
2315.	5357.	924.	PC*PC/(PC*PC-PW*PW)=, 4.0812
2178.	4742.	1539.	(PC*PC/(PC*PC-PW*PW))*N = 4.0812
			ADF (MCF/DAY)= 21444

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CALC WH OPEN FLOW= 21646. MCFD @ 15.025; SLOPE ANGLE= 45.0; N= 1.000

APPROVED BY
COMMISSION: CONDUCTED BY: CALCULATED BY: CHECKED BY:

I, _____, BEING FIRST DULY SWORN ON OATH, STATE THAT
I AM FAMILIAR WITH FACTS AND FIGURES SET FORTH IN THIS REPORT,
AND THAT THE REPORT IS TRUE AND CORRECT.

SIGNATURE AND TITLE OF AFFIANT

COMPANY

SUBSCRIBED AND SWORN TO BEFORE ME THIS DAY OF , 19

MY COMMISSION EXPIRES

NOTARY PUBLIC